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Examiner: Unknown

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The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/3032.C6/KMT.

Respectfully submitted,



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Keith M. Tackett  
Registration No. 32,008  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd., Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Attorney for Applicant(s)

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Substitute for form 1449A/PTO

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

## Complete if Known

|                        |                           |
|------------------------|---------------------------|
| Application Number     | 10/648,616                |
| Filing Date            | AUGUST 26, 2003           |
| First Named Inventor   | CHEUNG, ET AL.            |
| Art Unit               | UNKNOWN                   |
| Examiner Name          | UNKNOWN                   |
| Attorney Docket Number | AMAT/3032.C6/DSM/LOW K/JW |

## U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|---------------------|-----------------------|--------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
|                     |                       | Number - Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
|                     | A1                    | US-6,790,789                               | 09/14/2004                     | Grill, et al.                                      |                                                                                 |
|                     | A2                    | US-6,770,573                               | 08/03/2004                     | Grill, et al.                                      |                                                                                 |
|                     | A3                    | US-6,756,323                               | 06/29/2004                     | Grill, et al.                                      |                                                                                 |
|                     | A4                    | US-6,660,391                               | 12/09/2003                     | Rose, et al.                                       |                                                                                 |
|                     | A5                    | US-6,583,071                               | 06/24/2003                     | Weidman, et al.                                    |                                                                                 |
|                     | A6                    | US-6,583,048                               | 06/24/2003                     | Vincent, et al.                                    |                                                                                 |
|                     | A7                    | US-6,582,777                               | 06/24/2003                     | Ross, et al.                                       |                                                                                 |
|                     | A8                    | US-6,562,690                               | 05/13/2003                     | Cheung, et al.                                     |                                                                                 |
|                     | A9                    | US-6,559,520                               | 05/06/2003                     | Matsuki, et al.                                    |                                                                                 |
|                     | A10                   | US-6,548,899                               | 04/15/2003                     | Ross                                               |                                                                                 |
|                     | A11                   | US-6,541,398                               | 04/01/2003                     | Grill, et al.                                      |                                                                                 |
|                     | A12                   | US-6,537,929                               | 03/25/2003                     | Cheung, et al.                                     |                                                                                 |
|                     | A13                   | US-6,531,714                               | 03/11/2003                     | Bacchetta, et al.                                  |                                                                                 |
|                     | A14                   | US-6,486,082                               | 11/26/2002                     | Cho, et al.                                        |                                                                                 |
|                     | A15                   | US-6,479,110                               | 11/12/2002                     | Grill, et al.                                      |                                                                                 |
|                     | A16                   | US-6,455,445                               | 09/24/2002                     | Matsuki, et al.                                    |                                                                                 |
|                     | A17                   | US 6,441,491                               | 08/27/2002                     | Grill, et al.                                      |                                                                                 |
|                     | A18                   | US 6,437,443                               | 08/20/2002                     | Grill, et al.                                      |                                                                                 |
|                     | A19                   | US-6,410,463                               | 06/25/2002                     | Matsuki, et al.                                    |                                                                                 |
|                     | A20                   | US-6,312,793                               | 11/06/2001                     | Grill, et al.                                      |                                                                                 |
|                     | A21                   | US-6,140,226                               | 10/31/2000                     | Grill, et al.                                      |                                                                                 |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document                                                             | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|-------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------|------------------------------------------------------------------------------------|----------------|
|                    |                       | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |                                                       |                                                                                    |                |
|                    | B1                    | EP 1 176 226 A1                                                                     | 01/30/2002                     | Nemani, et al.                                        |                                                                                    |                |
|                    | B2                    | EP 1 354 980 A1                                                                     | 10/22/2003                     | Vrtis, et al.                                         |                                                                                    |                |
|                    | B3                    | WO 99/21706 A1                                                                      | 05/06/1999                     | Lee, et al.                                           |                                                                                    |                |
|                    | B4                    | WO 00/19498 A1                                                                      | 04/06/2000                     | Huang                                                 |                                                                                    |                |
|                    | B5                    | WO 99/41423 A2                                                                      | 08/19/1999                     | Cheung, et al.                                        |                                                                                    |                |
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|-------------------------------|---------------------------|
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| <i>Art Unit</i>               | UNKNOWN                   |
| <i>Examiner Name</i>          | UNKNOWN                   |
| <i>Attorney Docket Number</i> | AMAT/3032.C6/DSM/LOW K/JW |

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| <b>FOREIGN PATENT DOCUMENTS</b> |                          |                                                                                              |                                   |                                                       |                                                                                    |                |
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| Examiner<br>Initials*           | Cite<br>No. <sup>1</sup> | Foreign Patent Document                                                                      | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 3 of 3

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| Art Unit               | UNKNOWN                   |
| Examiner Name          | UNKNOWN                   |
| Attorney Docket Number | AMAT/3032.C6/DSM/LOW K/JW |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials * | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                     | C1                    | WU, ET AL. "Advanced Metal Barrier Free Cu Damascene Interconnects with PECVD Silicon Carbide Barriers for 90/65-nm BEOL Technology", 2002 IEEE, IEDM - pp. 595-598.                                                                                            |                |
|                     | C2                    | TAJIMA, ET AL. "Characterization of Plasma Polymers from Tetramethylsilane, Octamethylcyclotetrasiloxane, and Methyltrimethoxysilane" Journal of Polymer Science: Part A: Polymer Chemistry, Vol. 25 (1987) pp. 1737-1744.                                      |                |
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SignatureDate  
Considered

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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